



Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Send To:

James Enterprise Inc
1981 Aspen Circle
Pueblo, CO 81006

Result: Passed at 350 gallons

Date: 01/29/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Modified Standard 53 Glyphosate Reduction

Trade Designation/Model Number: BOROUX Foundation

Test Type: Qualification

Project Manager: Corey Elise Young

Thank you for having your product tested by IAPMO R & T NJ Lab.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization

Corey Elise Young
Corey Elise Young
QC Manager

Date: 01/29/2024



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NSF/ANSI Modified Standard 53 Glyphosate Reduction: Passed at 350 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: Qualification

Product: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 350 gallons

Cycle: 15-60 min rest between loads

Conditioning Procedure: Discard first batch

Physical Description of Sample: Gravity Filter

Test Description: NSF/ANSI Modified Std. 53 – Glyphosate Reduction Testing

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 mL

Performance Standard: NSF/ANSI 53 – 2022

Pass/Fail Criteria (Glyphosate): 800 µg/L

Water Characteristics

Accumulated Volume Effluent	pH (7.00-8.00)	Temperature (17.0-23.0 C)	TDS 200-500 mg/L	Hardness (100-200)	Turbidity (<1 NTU)	TOC (1.0-2.0)	Flow Rate (gpd)
10 UV	7.52	20.2	243	125	0.3	1.2	10
62.5 gallons	7.49	19.5	250	145	0.2	1.2	10
125 gallons	7.45	19.7	273	135	0.2	1.3	10
187.5 gallons	7.41	19.6	259	129	0.2	1.3	10
225 gallons	7.62	19.8	248	127	0.3	1.2	10
250 gallons	7.60	19.5	246	154	0.3	1.2	10
300 gallons	7.41	19.4	241	137	0.2	1.2	10
350 gallons	7.47	19.6	245	139	0.3	1.3	10

Data Analysis Table

Accumulated Volume Effluent	Influent Glyphosate (µg/L)	Effluent Glyphosate Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	1792	<1	99.94%	Passed
62.5 gallons	1821	<1	99.95%	Passed
125 gallons	1813	<1	99.94%	Passed
187.5 gallons	1883	<1	99.95%	Passed
225 gallons	1793	<1	99.94%	Passed
250 gallons	1791	<1	99.94%	Passed
300 gallons	1663	269	83.82%	Passed
350 gallons	1565	517	66.96%	Passed

Glyphosate Detection Limit: 1 µg/L



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Filter System Tested



Disclaimer: The test results are only related to the filter cartridges tested, in the condition received at the laboratory.

Corey Elise Young
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QC Manager